



# Trian3DBuilder to produce 3D scenarios from HERE HD Live Map

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Amsterdam and Berlin – Together with TrianGraphics, HERE Technologies is extending its in-vehicle-centric HD Live Map use case to 3D modelling of road networks.

HERE HD Live Map is a cloud-based service including a highly accurate model of the road network with lane configurations and markings. This makes it a key component for advanced driver assistance systems (ADAS) and autonomous driving solutions.

TrianGraphics is using HERE HD Live Map to enhance the road module of its 3D Terrain Generator Trian3DBuilder. Trian3DBuilder can now automatically process accurate lane data and generate 3D road profiles, various crossing constellations and other road elements such as side barriers or road signs.

With TrianGraphics, customers have access to HERE HD Live Map with widescale coverage. Once imported into Trian3DBuilder, the road model can be edited and enriched with any additional geodata before exporting it to simulation solutions such as Vector DYNA4, VIRES VTD and IPG CarMaker. The HERE HD Live Map data is highly accurate, fresh and cloud based. This reduces the amount of data to be managed to a minimum. The terrain database comes in different 3D standard formats including OpenSceneGraph, OpenFlight and FBX. OpenDrive files can be generated for the logical description of road networks. This 3D modelling of road networks will become essential to all driving simulation solutions and for validating autonomous vehicle functions.

“Our customers receive a tool for the automatic creation of complex roads and we can deliver high-precision road data from HERE Technologies, which is optimized for the workflow, together with our product”, said Felix Fürneisen, Senior Sales & Marketing Manager at TrianGraphics.

“Through this partnership with TrianGraphics, HERE Technologies is showing that HERE HD Live Map is essential to any use case which requires precise mapping. We are delighted to be working with such a trusted partner in the simulation market”, said Sheila Nedelcu, Director, Product Management, Highly Automated Driving at HERE Technologies.

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## About HERE Technologies

HERE, a location data and technology platform, moves people, businesses and cities



forward by harnessing the power of location. By leveraging our open platform, we empower our customers to achieve better outcomes - from helping a city manage its infrastructure or a business optimize its assets to guiding drivers to their destination safely. To learn more about HERE, please visit [www.here.com](http://www.here.com) and <http://360.here.com>.

### **About TrianGraphics**

TrianGraphics is operating on the 3D and Simulation market and is specialized on the generation of terrain databases for all types of real-time simulations. Besides the service of terrain generation, TrianGraphics is developing the terrain modelling solution Trian3DBuilder, which has unique features for road generation. For more information see: <https://triangraphics.de/>  
<https://trian3dbuilder.de/>